

# Mecklenburg County Common Code Defects

## Plumbing

### Code Defects

- Vent piping or air admittance valve size incorrect.” (Wet Venting)

### Code Description

#### WET VENTING

**909.1 Wet vent permitted.** Any combination of fixtures within two bathroom groups located on the same floor level are permitted to be vented by a wet vent. The wet vent shall be considered the vent for the fixtures and shall extend from the connection of the dry vent along the direction of the flow in the drain pipe to the most downstream fixture drain connection to the horizontal branch drain. Only the fixtures within the bathroom groups shall connect to the wet-vented horizontal branch drain. Any additional fixtures shall discharge downstream of the wet vent.

**909.2 Vent connection.** The dry vent connection to the wet vent shall be an individual vent or common vent to the lavatory, bidet, shower or bathtub. The dry vent shall be sized based on the largest required diameter of pipe within the wet vent system served by the dry vent.

**909.3 Size.** The wet vent shall be of a minimum size as specified in Table 909.3, based on the fixture unit discharge to the wet vent.

**Table 909.3  
Wet Vent Size**

WET VENT PIPE SIZE (inches)	Drainage Fixture Unit Load (dfu)
1 ½	1
2	4
2 ½	6
3	12

For SI: 1 inch = 25.4 mm.

**909.4 Multistory bathroom groups.** On the lower floors of a multi-story building, the waste pipe from one or two lavatories may be used as a wet vent for one or two bath tubs or showers provided that:

1. The wet vent and its extension to the vent stack is not less than 2-inch (51 mm) diameter, and,

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2. Each water closet below the top floor is individually back vented and,
3. The vent stack is sized in accordance with table 909.4.  
Exception: In multistory bathroom groups, wet vented in accordance with 909.4, the water closets below the top floor need not be individually vented if the 2-inch (51 mm) waste connects directly into the water closet bend at an angle of 45 degrees (0.785 rad) with the horizontal portion of the bend in direction of flow. The lowest wet vent shall be sized for the total bathtubs or showers connected to the stack, but in no case shall the wet or dry vent portion of the wet vent be less than required for the main vent.

**Table 909.4**  
**SIZE OF VENT STACK**

<b>Number of Wet Vented Fixtures</b>	<b>Diameter of Vent Stacks (In.)</b>
1 or 2 bathtubs or showers	2
1 or 2 bathtubs or showers	2 ½
1 or 2 bathtubs or showers	3
1 or 2 bathtubs or showers	4

***Disclaimer: There may be other ways to comply with the Code. If so, you are not required to use this method to comply with the Code. You may want to investigate other options, or consult with a design professional identifying an equally code compliant solution.***

### End Notes

North Carolina Plumbing Code & North Carolina Mechanical Code & North Carolina Fuel Gas Code.  
International Code Council  
Southern Building Code Congress